Michigan Educational Assessment Program
Statewide Test Item Analysis
Mathematics Grade 4
Winter 2002

Multiple Choice
Percent Answering by Response

Item No.	Benchmark Code	A	B	C	D	Omit/Mult
Patterns, Relationships, and Functions						
02	1ES1	1	2	5	92*	0✗
04	2ES4	45*	11	31	13	1
05	1ES2	3	9	6	81*	0✗
08	1ES1	2	21	3	73*	0✗
11	1ES5	4	5	85*	5	0✗
15	2ES1	4	68*	6	21	0✗
34	1ES3	24	11	52*	13	1
Geometry and Measurement						
09	1ES5	10	8	27	54*	0✗
16	2ES2	61*	17	11	11	0✗
20	3ES1	4	3	4	90*	0✗
25	1ES2	21	9	21	49*	0✗
27	3ES2	9	8	32	50*	1
28	1ES3	4	5	17	74*	0✗
37	1ES3	77*	9*	2	11	1
Data Analysis and Statistics						
06	2ES1	4	70*	16	10	0✗
17	2ES1	8	5	81*	6	0✗
21	1ES2	93*	2	3	2	0✗
29	2ES1	1	3	87*	7	0✗
35	1ES3	14	61*	18	6	1
Number Sense and Numeration						
07	1ES2	7	11	52*	29	0✗
10	3ES3	5	12	5	79*	0✗
12	2ES4	7	7	66*	20	1
18	2ES1	3	5	16	76*	0✗
19	3ES2	64*	8	7	21	0✗
24	2ES3	5	89*	4	2	0✗
30	3ES5	48*	9	22	22	0✗
32	3ES5	9	56*	16	19	1
36	3ES1	12	7	7	73*	1
Numerical and Algebraic Operations and Analytical Thinking						
01	1ES1	10	3	77*	10	0✗
03	2ES4	16	6	48*	30	0✗
14	2ES4	13	60*	12	16	0✗
23	2ES2	5	85*	4	6	0✗
26	1ES4	84*	4	7	4	0✗
31	2ES3	18	56*	17*	9	1
Probability and Discrete Mathematics						
22	2ES4	49*	12	18	21	0✗
33	1ES1	77*	2	13	8	0✗

Number of Students Included: 126119

Constructed Response
Percent Receiving Number of Points / Percent Receiving Condition Codes

Item No.	Benchmark Code	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	A	B	C	D
Geometry and Measurement														
13	3ES6	37	7	10	4	12	2	8	2	17	0	0	0	2
Data Analysis and Statistics														
38	3ES5	8	3	11	3	15	4	19	3	34	0	0	0	1

Condition Codes for the Constructed-Response Items:

A	Off-task	C	Written in language other than English
B	Illegible	D	Blank/refused to respond

Using the Benchmark Codes

You can link the individual items to their corresponding benchmark in the *Michigan Curriculum Framework*, approved in 1996.

Each benchmark code contains four characters. The first character, an Arabic numeral, identifies the content standard under the specific strand. The next two characters represent the grade level column designation in the content standards documents (ES = Elementary School, MS = Middle School, and HS = High School). The number following these letters represents the specific benchmark in the column designated by the grade level.

EXAMPLE
An item with benchmark code 1MS2 under Geometry and Measurement is referring to content standard 1, Shape and Shape Relationships. Within that content standard, you need to look at middle school benchmark number 2, "generalize the characteristics of shapes and apply their generalizations to classes of shapes," to find the match.

CAUTION
Making inferences about students based on their answers to individual items is inadvisable due to the low reliability of single item measures. These data should only be used to make inferences about the performance of groups that are classroom size or larger.

Omit/Mult = Omits and Multiple Responses
✗ Number of students present rounds to zero

meap
Michigan Educational Assessment Program

WINTER 2002
STATEWIDE TEST ITEM ANALYSIS
ESSENTIAL SKILLS READING
GRADE 4

DISTRICT: MICHIGAN DEPARTMENT OF TREASURY
SCHOOL: STATEWIDE SCHOOL DATA
CODES: DISTRICT- 99-999   SCHOOL- 0001

RUN DATE: 07/25/2002

Constructing Meaning Items

Response By Item — Story Selection / Frequency Of Scores — Story Selection

Item No.	Item Type	A	B	C	D	Omit/ Mult	Intersentence # of Items N=5	Number of Students	Percent	Text # of Items N=12	Number of Students	Percent	Beyond Text # of Items N=3	Number of Students	Percent
1	T	13	8	72*	6	0¤	5	64473	53	12	12403	10	3	64904	53
2	I	2	85*	5	8	0¤	4	31365	26	11	19182	16	2	38493	32
3	B	75*	10	7	8	0¤	3	14100	12	10	19907	16	1	14607	12
4	T	5	4	10	81*	0¤	2	7317	6	9	17680	14	0	3934	3
5	T	12	10	6	71*	0¤	1	3538	3	8	14115	12			
6	I	6	70*	8	16	0¤	0	1145	1	7	11060	9			
7	T	17	3	77*	3	0¤				6	8675	7			
8	T	63*	4	12	21	0¤				5	6892	6			
9	I	4	5	3	88*	0¤				4	5235	4			
10	B	75*	5	14	6	0¤				3	3586	3			
11	T	5	74*	17	3	0¤				2	2045	2			
12	T	5	8	80*	6	0¤				1	895	1			
13	T	24	5	22	49*	0¤				0	263	0			
14	T	10	83*	3	5	0¤									
15	I	82*	3	10	5	0¤									
16	I	4	2	2	92*	0¤									
17	B	85*	5	5	5	0¤									
18	T	19	53*	5	23	0¤									
19	T	5	24	68*	3	0¤									
20	T	7	4	75*	14	0¤									

Informational Selection / Informational Selection

Item No.	Item Type	A	B	C	D	Omit/ Mult	Intersentence # of Items N=5	Number of Students	Percent	Text # of Items N=9	Number of Students	Percent	Beyond Text # of Items N=6	Number of Students	Percent
1	T	19	6	65*	10	0¤	5	63498	52	9	26100	21	6	53943	44
2	T	93*	2	2	3	0¤	4	33550	28	8	34497	28	5	38844	32
3	T	84*	2	7	7	0¤	3	14564	12	7	24717	20	4	15963	13
4	B	3	90*	4	3	0¤	2	6568	5	6	14932	12	3	6429	5
5	I	2	8	5	85*	0¤	1	2873	2	5	8811	7	2	3463	3
6	B	2	7	90*	1	0¤	0	885	1	4	5560	5	1	2273	2
7	I	93*	2	3	2	0¤				3	3560	3	0	1023	1
8	T	14	2	81*	3	0¤				2	2252	2			
9	I	6	85*	2	7	0¤				1	1089	1			
10	B	15	10	4	70*	0¤				0	420	0			
11	B	7	3	83*	7	0¤									
12	B	6	11	8	75*	0¤									
13	I	3	88*	3	6	0¤									
14	T	12	68*	14	5	0¤									
15	T	87*	6	3	4	0¤									
16	I	11	68*	14	7	0¤									
17	T	3	5	12	79*	0¤									
18	T	64*	3	28	6	0¤									
19	B	2	3	92*	2	0¤									
20	T	9	81*	3	6	0¤									

CONSTRUCTING MEANING ITEM TYPE DEFINITIONS:

INTERSENTENCE

focuses the reader's attention on two to three contiguous sentences of the text

TEXT

requires a reader to draw information from larger sections of the whole text

BEYOND TEXT

requires a reader to draw upon his/her own experiences to integrate with concepts in the text

OMIT/MULT = OMITS AND MULTIPLE RESPONSES
¤ NUMBER OF STUDENTS PRESENT ROUND TO ZERO

Michigan Educational Assessment Program
Statewide Test Item Analysis
Science Grade 5
Winter 2002

District: MICHIGAN DEPARTMENT OF TREASURY
School: STATEWIDE SCHOOL DATA
Codes: District- 99999   School- 0001
Run Date: 07/26/2002

Multiple Choice — Percent Answering by Response

Item No.	Benchmark Code	A	B	C	D	Omit/Mult
Constructing						
02	1ES6	14	74*	5	7	0¤
04	1ES1	12	5	11	72*	0¤
20	1ES5	86*	6	6	1	0¤
21	1ES5	20	64*	13	3	0¤
22	1ES5	82*	2	9	6	0¤
23	1ES2	6	15	53*	26	0¤
30	1ES4	2	96*	2	1	0¤
32	1ES6	7	84*	4	4	0¤
33	1ES2	89*	2	3	5	1
34	1ES2	6	5	84*	5	1
43	1ES2	16	54*	17	12	1
Reflecting						
12	1ES1	93*	2	2	3	0¤
14	1ES1	10	10	5	75*	0¤
27	1ES1	77*	2	12	8	0¤
Life Science						
11	2ES1	12	85*	1	2	0¤
13	4ES2	1	3	94*	2	0¤
15	5ES2	1	1	97*	1	0¤
16	4ES2	5	83*	9	3	0¤
17	5ES1	87*	9	2	1	0¤
18	2ES2	71*	8	6	15	0¤
25	3ES1	9	9	12	70*	0¤
29	2ES3	6	2	90*	1	0¤
Physical Science						
26	1ES1	5	4	13	78*	0¤
28	1ES3	87*	8	4	1	0¤
36	1ES3	3	81*	12	3	1
37	3ES2	19	19	12	49*	1
38	1ES2	7	10	69*	12	1
39	4ES4	3	19	14	63*	1
40	3ES2	4	57*	19	19	1
41	4ES4	8	6	4	81*	1
42	3ES5	6	6	2	85*	1
Earth Science						
01	1ES2	5	3	2	90*	0¤
03	4ES1	11	20	59*	10	0¤
05	1ES4	12	15	54*	19	0¤
06	4ES2	53*	33	10	4	0¤
07	3ES2	3	15	29	53*	0¤
08	3ES1	2	85*	4	9	0¤
09	3ES1	1	2	94*	2	0¤
24	2ES3	90*	4	2	3	0¤

Number of Students Included: 129272

Constructed Response

Item No.	Benchmark Code	Percent Receiving Number of Points 0.0	0.5	1.0	1.5	2.0	2.5	3.0	Percent Receiving Condition Codes A	B	C	D
Reflecting												
19	1ES4	7	2	25	9	26	12	16	2	0	0	1
31	1ES1	13	3	19	3	21	4	35	1	0	0	1
35	1ES1	8	2	56	8	13	2	10	0	0	0	1
Earth Science												
10	2ES1	14	1	12	2	22	3	45	0	0	0	1

Condition Codes for the Constructed Response Items:

A   Off-task
B   Illegible
C   Written in language other than English
D   Blank/refused to respond

Using the Benchmark Codes

You can link the individual items to their corresponding benchmark in the *Michigan Curriculum Framework*, approved in 2000.

Each benchmark code contains four characters. The first character, an Arabic numeral, identifies the content standard under the specific strand. The next two characters represent the grade level column designation in the content standards documents (ES = Elementary School, MS = Middle School, and HS = High School). The number following these letters represents the specific benchmark in the column designated by the grade level.

EXAMPLE
An item with benchmark code 1MS2 under Using Scientific Knowledge in Life Science is referring to context standard 1, Cells. Within that content standard, you need to look at middle school benchmark number 2, "explain why specialized cells are needed by plants and animals," to find the match.

CAUTION
Making inferences about students based on their answers to individual items is inadvisable due to the low reliability of single item measures. These data should only be used to make inferences about the performance of groups that are classroom size or larger.

Omit/Mult = Omits and Multiple Responses
¤ Number of students present rounds to zero

Michigan Educational Assessment Program
Statewide Test Item Analysis
Social Studies Grade 5
Winter 2002

District: MICHIGAN DEPARTMENT OF TREASURY
School: STATEWIDE SCHOOL DATA
Codes: District- 99999   School- 0001
Run Date: 07/26/2002

Multiple Choice
Percent Answering by Response

Item No.	Benchmark Code	A	B	C	D	Omit/ Mult
Historical Perspective						
11	1LE2	23	48*	22	6	0⌧
12	2LE1	73*	13	2	11	0⌧
13	2LE1	3	2	4	91*	0⌧
14	2LE1	13	8	77*	1	0⌧
15	2LE1	78*	4	5	13	0⌧
16	2LE3	83*	2	5	10	0⌧
17	1LE1	8	12	20	60*	0⌧
18	2LE3	13	70*	4	14	0⌧
19	2LE2	7	25	59*	8	0⌧
20	4LE2	27	10	52*	10	0⌧
Geographic Perspective						
01	2LE3	8	12	72*	8	0⌧
02	2LE3	84*	9	2	4	0⌧
03	2LE3	86*	3	6	5	0⌧
04	2LE3	73*	13	6	8	0⌧
05	2LE3	82*	10	5	4	0⌧
06	1EE2	3	17	2	78*	0⌧
07	4LE6	16	74*	7	3	0⌧
08	2LE3	64*	6	25	5	0⌧
09	4LE6	4	61*	16	18	0⌧
10	3LE2	16	21	16	47*	0⌧
Civic Perspective						
21	4LE4	23	7	53*	17	0⌧
22	4LE4	4	10	16	69*	0⌧
23	1LE1	56*	17	7	20	0⌧
24	2LE1	38	43*	7	11	1
25	4LE1	42*	17	16	25	1
26	1LE1	6	70*	19	4	0⌧
27	1LE1	73*	14	5	8	0⌧
28	2LE2	12	26	23	39*	1
29	1LE1	57*	14	6	23	1
30	1LE1	45*	20	20	14	1
Economic Perspective						
31	1LE3	15	5	43*	36	0⌧
32	3LE1	5	64*	12	18	0⌧
33	1LE2	15	14	15	55*	1
34	1LE3	14	8	12	65*	1
35	3LE2	72*	5	6	17	0⌧
36	2LE2	12	60*	13	15	0⌧
37	1LE1	34*	19	33	14	0⌧
38	1LE2	6	17	12	64*	1
39	1LE3	8	21	32	38*	1
40	1LE4	17	52*	9	21	1
Inquiry & Decision Making						
41	1LE3	66*	16	6	11	1

Number of Students Included: 124071

Extended Response

Item No.	Benchmark Code	Percent Receiving Number of Points									Percent Receiving Condition Codes			
		0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	A	B	C	D
Inquiry & Decision Making														
42	3LE1	1	2	31	19	37	4	2	1	1	1	0	0	1

Condition Codes for the Extended-Response Item:

A   Off-task   C   Written in language other than English
B   Illegible   D   Blank/refused to respond

Using the Benchmark Codes

You can link the individual items to their corresponding benchmark in the *Michigan Social Studies Content Standards and Benchmarks*, February 1996 (also see *Michigan Curriculum Framework*, 1996, pages 22-45).

Each Benchmark Code contains four characters. The first character, an Arabic numeral, identifies the content standard under the specific strand. The next two characters represent the grade level column designation in the content standards documents where EE = Early Elementary, LE = Later Elementary, MS = Middle School, and HS = High School. The number following these letters represents the specific benchmark in the column designated by the grade level.

EXAMPLE
An item with Benchmark Code 2MS3 under Civic Perspective is referring to content standard 2, "Ideals of American Democracy." Within that content standard, you need to look at Middle School benchmark number 3, "Explain means for limiting the powers of government established by the U.S. Constitution," to find the match.

CAUTION
Making inferences about students based on their answers to individual items is inadvisable due to the low reliability of single item measures. These data should only be used to make inferences about the performance of groups that are classroom size or larger.

Omit/Mult = Omits and Multiple Responses
⌧ Number of students present rounds to zero

meap
Michigan Educational Assessment Program

WINTER 2002
STATEWIDE TEST ITEM ANALYSIS
ESSENTIAL SKILLS READING
GRADE 7

DISTRICT: MICHIGAN DEPARTMENT OF TREASURY
SCHOOL: STATEWIDE SCHOOL DATA
CODES: DISTRICT- 99-999   SCHOOL- 0001

RUN DATE: 05/03/2002

Constructing Meaning Items

Response By Item — Story Selection

Item No.	Item Type	% Responding A	B	C	D	Omit/Mult
1	T	2	29	66*	2	0¤
2	T	98*	1	1	0	0¤
3	T	5	85*	8	1	0¤
4	T	1	8	2	89*	0¤
5	B	11	76*	10	3	0¤
6	T	88*	2	9	1	0¤
7	T	4	3	71*	22	0¤
8	T	1	1	1	97*	0¤
9	T	1	96*	1	1	0¤
10	T	89*	4	3	3	0¤
11	T	6	8	77*	9	0¤
12	B	1	3	9	86*	0¤
13	I	4	1	22	73*	0¤
14	B	95*	2	1	2	0¤
15	I	6	5	5	84*	0¤
16	B	88*	1	10	1	0¤
17	T	2	9	86*	3	0¤
18	I	1	95*	2	1	0¤
19	T	3	89*	5	2	0¤
20	B	80*	6	7	7	0¤

Frequency Of Scores — Story Selection

	Intersentence			Text			Beyond Text	
# of Items N=3	Number of Students	Percent	# of Items N=12	Number of Students	Percent	# of Items N=5	Number of Students	Percent
3	78416	63	12	32673	26	5	62940	51
2	33347	27	11	39008	32	4	39237	32
1	9362	8	10	23845	19	3	14599	12
0	2599	2	9	12917	10	2	4523	4
			8	6468	5	1	1726	1
			7	3387	3	0	699	1
			6	1924	2			
			5	1301	1			
			4	923	1			
			3	614	0			
			2	359	0			
			1	171	0			
			0	134	0			

Response By Item — Informational Selection

Item No.	Item Type	% Responding A	B	C	D	Omit/Mult
1	T	12	5	81*	1	0¤
2	T	4	82*	10	4	0¤
3	T	5	15	3	76*	1
4	I	5	91*	2	1	0¤
5	T	30	61*	4	5	0¤
6	B	1	10	82*	7	0¤
7	I	71*	6	9	13	0¤
8	I	3	4	86*	6	0¤
9	I	76*	14	3	7	1
10	B	5	5	5	85*	0¤
11	T	82*	4	9	5	0¤
12	T	3	3	4	89*	0¤
13	B	11	6	72*	11	1
14	T	79*	9	5	6	1
15	T	12	15	60*	13	0¤
16	T	8	5	3	83*	0¤
17	T	6	87*	4	3	0¤
18	T	11	5	6	78*	1
19	I	77*	13	6	4	0¤
20	B	86*	5	4	4	0¤

Frequency Of Scores — Informational Selection

	Intersentence			Text			Beyond Text	
# of Items N=5	Number of Students	Percent	# of Items N=11	Number of Students	Percent	# of Items N=4	Number of Students	Percent
5	56682	46	11	29481	24	4	67529	55
4	33776	27	10	29567	24	3	32047	26
3	18270	15	9	20110	16	2	14197	11
2	9381	8	8	13194	11	1	7132	6
1	4164	3	7	8810	7	0	2819	2
0	1451	1	6	6480	5			
			5	5063	4			
			4	3999	3			
			3	3186	3			
			2	2156	2			
			1	1079	1			
			0	599	0			

CONSTRUCTING MEANING ITEM TYPE DEFINITIONS:

INTERSENTENCE

focuses the reader's attention on two to three contiguous sentences of the text

TEXT

requires a reader to draw information from larger sections of the whole text

BEYOND TEXT

requires a reader to draw upon his/her own experiences to integrate with concepts in the text

OMIT/MULT = OMITS AND MULTIPLE RESPONSES
¤ NUMBER OF STUDENTS PRESENT ROUND TO ZERO

Michigan Educational Assessment Program
Statewide Test Item Analysis
Mathematics Grade 8
Winter 2002

District: MICHIGAN DEPARTMENT OF TREASURY
School: STATEWIDE SCHOOL DATA
Codes: District- 99999   School- 0001
Run Date: 07/26/2002

Multiple Choice
Percent Answering by Response

Item No.	Benchmark Code	A	B	C	D	Omit/ Mult
Patterns, Relationships, and Functions						
05	1MS3	9	9	10	73*	0⊠
10	2MS1	25	45*	23	6	1
11	1MS3	6	52*	26	16	0⊠
18	1MS1	1	3	77*	18	1
33	2MS4	23	4	7	66*	1
Geometry and Measurement						
07	3MS2	12	22	52*	12	1
08	1MS6	18	8	54*	20	0⊠
13	2MS2	14	8	10	67*	1
16	3MS3	11	12	18	59*	0⊠
17	2MS2	7	74*	9	10	0⊠
22	1MS1	56*	8	26	9	0⊠
27	3MS4	22	53*	20	4	1
28	2MS2	8	7	65*	19	0⊠
40	3MS2	53*	32	10	5	1
41	2MS5	19	10	24	47*	1
Data Analysis and Statistics						
01	2MS1	56*	1	39	3	0⊠
06	3MS4	18	64*	10	8	0⊠
09	1MS3	13	6	5	76*	0⊠
12	1MS2	3	5	78*	14	0⊠
19	2MS2	58*	17	14	10	1
23	2MS4	9	4	7	80*	0⊠
24	3MS4	17	7	72*	4	0⊠
26	2MS1	7	7	13	72*	0⊠
36	2MS4	15	61*	15	9	1
Number Sense and Numeration						
14	1MS4	56*	33	6	4	0⊠
20	2MS5	12	5	23	60*	0⊠
25	1MS1	79*	15	3	2	0⊠
35	3MS3	56*	24	10	8	1
38	3MS2	7	24	62*	7	1
Numerical and Algebraic Operations and Analytical Thinking						
03	2MS1	11	25	7	56*	0⊠
15	2MS5	16	50*	23	9	1
21	1MS2	4	17	50*	28	1
30	1MS4	37	47*	4	11	1
34	2MS1	64*	12	14	9	1
39	1MS2	4	5	86*	4	1
Probability and Discrete Mathematics						
02	2MS1	65*	14	6	14	0⊠
04	1MS1	3	19	73*	5	0⊠
31	2MS1	10	55	30*	5	1
32	2MS3	12*	51*	26	10	1
37	1MS1	43*	9	12	35	1

Number of Students Included: 122961

Constructed Response
Percent Receiving Number of Points

Item No.	Benchmark Code	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	Percent Receiving Condition Codes A	B	C	D
Patterns, Relationships, and Functions														
42	1MS5	21	5	5	4	7	5	13	4	32	0	0	0	4
Numerical and Algebraic Operations and Analytical Thinking														
29	1MS4	35	8	8	3	11	1	3	2	24	1	0	0	4

Condition Codes for the Constructed-Response Items:

A	Off-task	C	Written in language other than English
B	Illegible	D	Blank/refused to respond

Using the Benchmark Codes

You can link the individual items to their corresponding benchmark in the *Michigan Curriculum Framework*, approved in 1996.

Each benchmark code contains four characters. The first character, an Arabic numeral, identifies the content standard under the specific strand. The next two characters represent the grade level column designation in the content standards documents (ES = Elementary School, MS = Middle School, and HS = High School). The number following these letters represents the specific benchmark in the column designated by the grade level.

EXAMPLE
An item with benchmark code 1MS2 under Geometry and Measurement is referring to content standard 1, Shape and Shape Relationships. Within that content standard, you need to look at middle school benchmark number 2, "generalize the characteristics of shapes and apply their generalizations to classes of shapes," to find the match.

CAUTION
Making inferences about students based on their answers to individual items is inadvisable due to the low reliability of single item measures. These data should only be used to make inferences about the performance of groups that are classroom size or larger.

Omit/Mult = Omits and Multiple Responses
⊠ Number of students present rounds to zero

Michigan Educational Assessment Program
Statewide Test Item Analysis
Science Grade 8
Winter 2002

District: MICHIGAN DEPARTMENT OF TREASURY
School: STATEWIDE SCHOOL DATA
Codes: District- 99999   School- 0001
Run Date: 07/26/2002

Multiple Choice
Percent Answering by Response

Item No.	Benchmark Code	A	B	C	D	Omit/ Mult
Constructing						
03	1MS5	2	4	5	88*	0¤
16	1MS4	6	6	25	63*	0¤
17	1MS2	8	21	8	63*	0¤
19	1MS5	6	85*	4	5	0¤
29	1MS5	17	10	60*	12	0¤
30	1MS1	7	29	43*	21	1
31	1MS3	43	42*	6	8	1
34	1MS5	3	7	7	84*	1
36	1MS2	3	2	3	91*	0¤
38	1MS2	4	4	87*	4	1
Reflecting						
04	1MS1	21	5	62*	11	0¤
13	1MS1	13	42*	39	6	0¤
15	1MS1	9	87*	3	2	0¤
20	1MS1	61*	6	14	18	1
27	1MS1	8	11	25	55*	0¤
37	1MS1	3	85*	6	5	1
43	1MS4	76*	8	11	4	1
46	1MS2	15	77*	3	4	1
47	1MS1	42	12	41*	4	1
Life Science						
33	5MS6	73*	12	5	10	1
40	3MS2	7	11	70*	12	1
41	2MS4	5	3	20	72*	1
42	5MS4	37*	28	26	9	1
44	2MS4	7	77*	10	6	1
45	3MS1	3	6	86*	5	1
48	2MS1	18	33	14	34*	1
49	2MS4	49*	7	6	37	1
50	4MS1	66*	6	17	10	1
Physical Science						
12	3MS2	32	33*	29	6	0¤
14	4MS4	4	13	69*	13	1
18	1MS2	58*	4	12	25	0¤
21	3MS3	85*	6	7	3	0¤
22	3MS2	19	13	48*	20	0¤
23	1MS5	88*	3	5	3	0¤
24	4MS2	3	9	15	73*	1
25	4MS4	10	42*	28	19	0¤
26	4MS2	8	11	9	71*	0¤
Earth Science						
01	1MS2	6	27	23	44*	0¤
02	3MS1	4	73*	18	5	0¤
05	1MS1	2	81*	2	15	1
06	1MS4	60*	13	19	7	0¤
07	4MS3	5	9	5	81*	0¤
08	3MS3	6	4	88*	2	0¤
09	2MS1	10	2	83*	5	0¤
10	2MS4	78*	10	7	3	1
32	1MS3	2	10	80*	9	0¤

Number of Students Included: 123016

Constructed Response

Item No.	Benchmark Code	Percent Receiving Number of Points							Percent Receiving Condition Codes			
		0.0	0.5	1.0	1.5	2.0	2.5	3.0	A	B	C	D
Constructing												
39	1MS5	15	3	5	3	58	4	9	1	0	0	3
Life Science												
35	5MS2	20	8	28	5	11	5	18	1	0	0	2
Physical Science												
28	4MS1	71	1	11	1	8	2	3	1	0	0	2
Earth Science												
11	2MS2	2	1	7	3	16	8	62	0	0	0	1

Condition Codes for the Constructed Response Items:

A   Off-task
B   Illegible
C   Written in language other than English
D   Blank/refused to respond

Using the Benchmark Codes

You can link the individual items to their corresponding benchmark in the *Michigan Curriculum Framework*, approved in 2000.

Each benchmark code contains four characters. The first character, an Arabic numeral, identifies the content standard under the specific strand. The next two characters represent the grade level column designation in the content standards documents (ES = Elementary School, MS = Middle School, and HS = High School). The number following these letters represents the specific benchmark in the column designated by the grade level.

EXAMPLE
An item with benchmark code 1MS2 under Using Scientific Knowledge in Life Science is referring to context standard 1, Cells. Within that content standard, you need to look at middle school benchmark number 2, "explain why specialized cells are needed by plants and animals," to find the match.

CAUTION
Making inferences about students based on their answers to individual items is inadvisable due to the low reliability of single item measures. These data should only be used to make inferences about the performance of groups that are classroom size or larger.

Omit/Mult = Omits and Multiple Responses
¤ Number of students present rounds to zero

Michigan Educational Assessment Program
Statewide Test Item Analysis
Social Studies Grade 8
Winter 2002

District: MICHIGAN DEPARTMENT OF TREASURY
School: STATEWIDE SCHOOL DATA
Codes: District- 99999   School- 0001
Run Date: 07/26/2002

Multiple Choice
Percent Answering by Response

Item No.	Benchmark Code	A	B	C	D	Omit/ Mult
Historical Perspective						
11	2MS3	6	5	25	63*	0¤
12	2MS1	14	13	70*	3	0¤
13	4MS3	5	76*	11	7	0¤
14	2MS3	8	35	5	52*	0¤
15	4MS3	52*	8	10	31	0¤
16	4MS3	10	15	63*	12	0¤
17	2MS4	30	11	53*	5	0¤
18	1MS2	4	7	79*	11	1
19	1MS1	7	84*	3	6	1
20	2MS3	21	51*	10	17	0¤
Geographic Perspective						
01	1MS2	12	22	35	30*	0¤
02	1MS2	8	66*	18	7	0¤
03	1MS2	29	9	20	42*	0¤
04	1MS2	45*	18	20	16	1
05	1MS2	17	16	51*	16	0¤
06	1MS2	8	13	69*	11	0¤
07	3LE2	57*	11	23	8	0¤
08	1MS3	15	13	57*	14	0¤
09	1MS3	4	80*	8	7	0¤
10	3LE3	12	72*	8	7	0¤
Civic Perspective						
21	5MS2	24	24	11	41*	1
22	5MS1	14	10	66*	9	1
23	1MS3	47*	24	14	14	1
24	1MS4	12	45*	15	27	1
25	3MS2	26	51*	7	15	1
26	1MS2	7	19	13	60*	1
27	4LE3	59*	5	20	15	1
28	1MS2	16	57*	16	10	1
29	4LE4	6	7	8	78*	1
30	1MS4	26	51*	9	14	1
Economic Perspective						
31	4MS4	4	12	79*	4	0¤
32	4MS3	9	5	9	77*	0¤
33	1MS1	67*	3	17	12	1
34	5MS2	5	78*	12	3	1
35	2MS1	27	51*	18	3	1
36	2MS1	51*	15	10	23	1
37	2MS2	72*	6	7	14	1
38	2MS2	10	77*	4	8	1
39	2MS2	19	4	71*	5	1
40	2MS2	4	25	4	66*	1
Inquiry & Decision Making						
41	1MS3	60*	11	19	8	1

Number of Students Included: 118532

Extended Response
Percent Receiving Number of Points

Item No.	Benchmark Code	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
Inquiry & Decision Making										
42	3MS1	1	1	30	14	48	3	1	0	0

Percent Receiving Condition Codes

A	B	C	D
0	0	0	1

Condition Codes for the Extended-Response Item:

A	Off-task	C	Written in language other than English
B	Illegible	D	Blank/refused to respond

Using the Benchmark Codes

You can link the individual items to their corresponding benchmark in the *Michigan Social Studies Content Standards and Benchmarks*, February 1996 (also see *Michigan Curriculum Framework*, 1996, pages 22-45).

Each Benchmark Code contains four characters. The first character, an Arabic numeral, identifies the content standard under the specific strand. The next two characters represent the grade level column designation in the content standards documents where EE = Early Elementary, LE = Later Elementary, MS = Middle School, and HS = High School. The number following these letters represents the specific benchmark in the column designated by the grade level.

EXAMPLE
An item with Benchmark Code 2MS3 under Civic Perspective is referring to content standard 2, "Ideals of American Democracy." Within that content standard, you need to look at Middle School benchmark number 3, "Explain means for limiting the powers of government established by the U.S. Constitution," to find the match.

CAUTION
Making inferences about students based on their answers to individual items is inadvisable due to the low reliability of single item measures. These data should only be used to make inferences about the performance of groups that are classroom size or larger.

Omit/Mult = Omits and Multiple Responses
¤ Number of students present rounds to zero